

Title (en)  
PASSIVELY COOLED GAS DETECTOR

Title (de)  
PASSIV GEKÜHLTER GASDETEKTOR

Title (fr)  
DÉTECTEUR DE GAZ À REFROIDISSEMENT PASSIF

Publication  
**EP 2825880 A1 20150121 (EN)**

Application  
**EP 13711459 A 20130314**

Priority  
• GB 201204573 A 20120315  
• GB 2013050629 W 20130314

Abstract (en)  
[origin: GB2500238A] A gas detector assembly which is at least in part passively cooled comprising; a thermal chimney comprising a first heat collecting area 28 in fluid communication with a ventilation area 26; a gas sensing device 16 placed at least in part in the thermal chimney, such that in use the first heat collecting area is heated and a temperature gradient between the heat collecting area and ventilation area is established providing a passive cooling flow of gas from vents 22 over at least part of the gas sensing device placed in the thermal chimney. The walls of the heat collecting area 12 may be made from a electromagnetic radiation absorbing material and the walls of the ventilation area 14 from an electromagnetic radiation reflecting material.

IPC 8 full level  
**G01N 33/00** (2006.01); **G01N 21/35** (2014.01); **H05K 7/20** (2006.01)

CPC (source: EP GB US)  
**G01N 1/2258** (2013.01 - GB); **G01N 33/0009** (2013.01 - GB); **G01N 33/0016** (2013.01 - EP US); **G01N 2001/2282** (2013.01 - GB)

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